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Fig. 2a

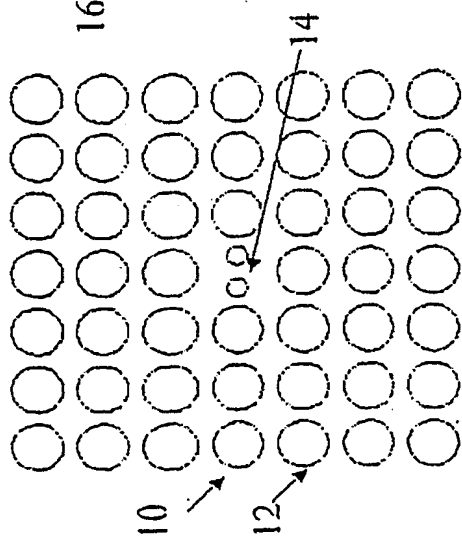


Fig. 2b

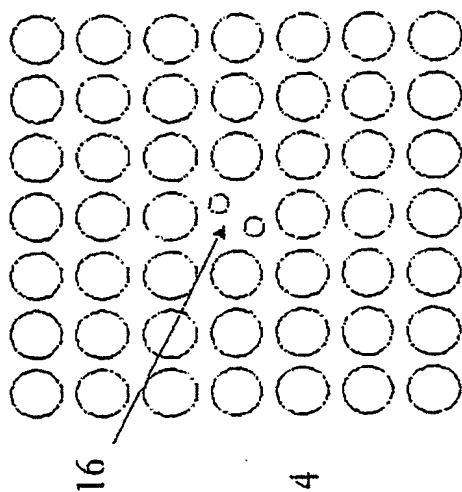


Fig. 2c

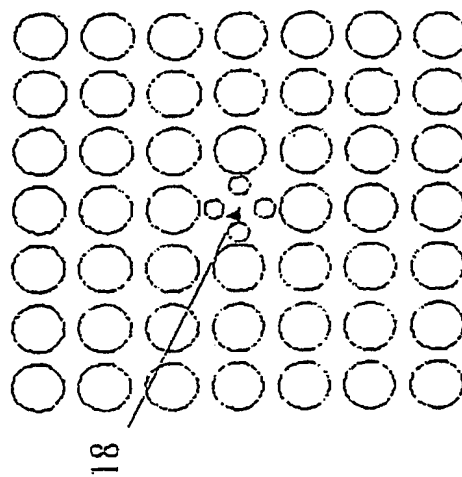


Fig. 2d

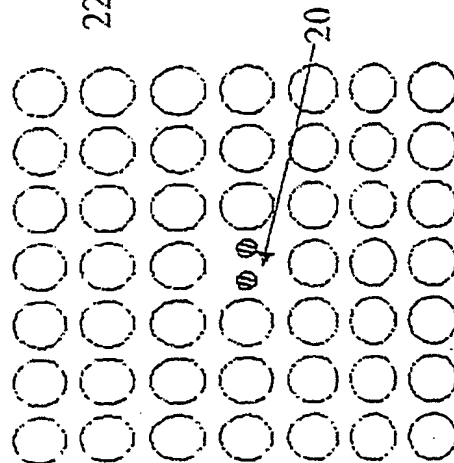


Fig. 2e

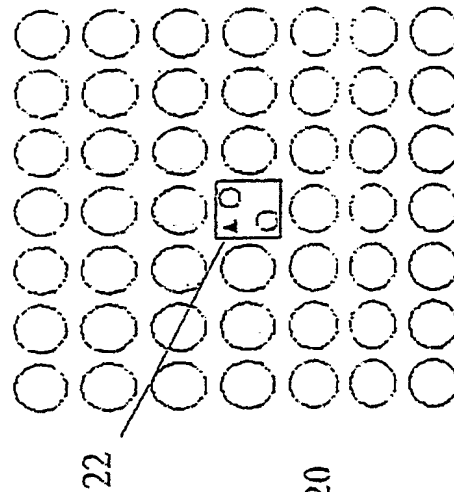
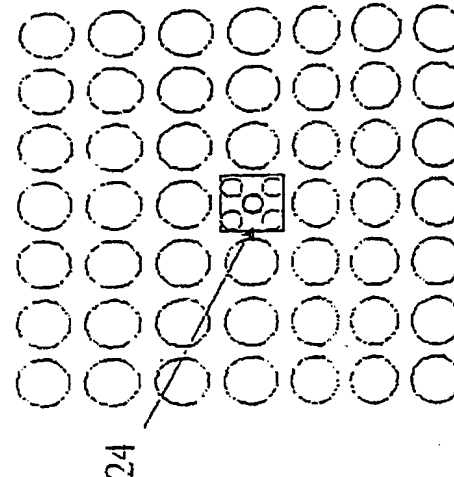


Fig. 2f



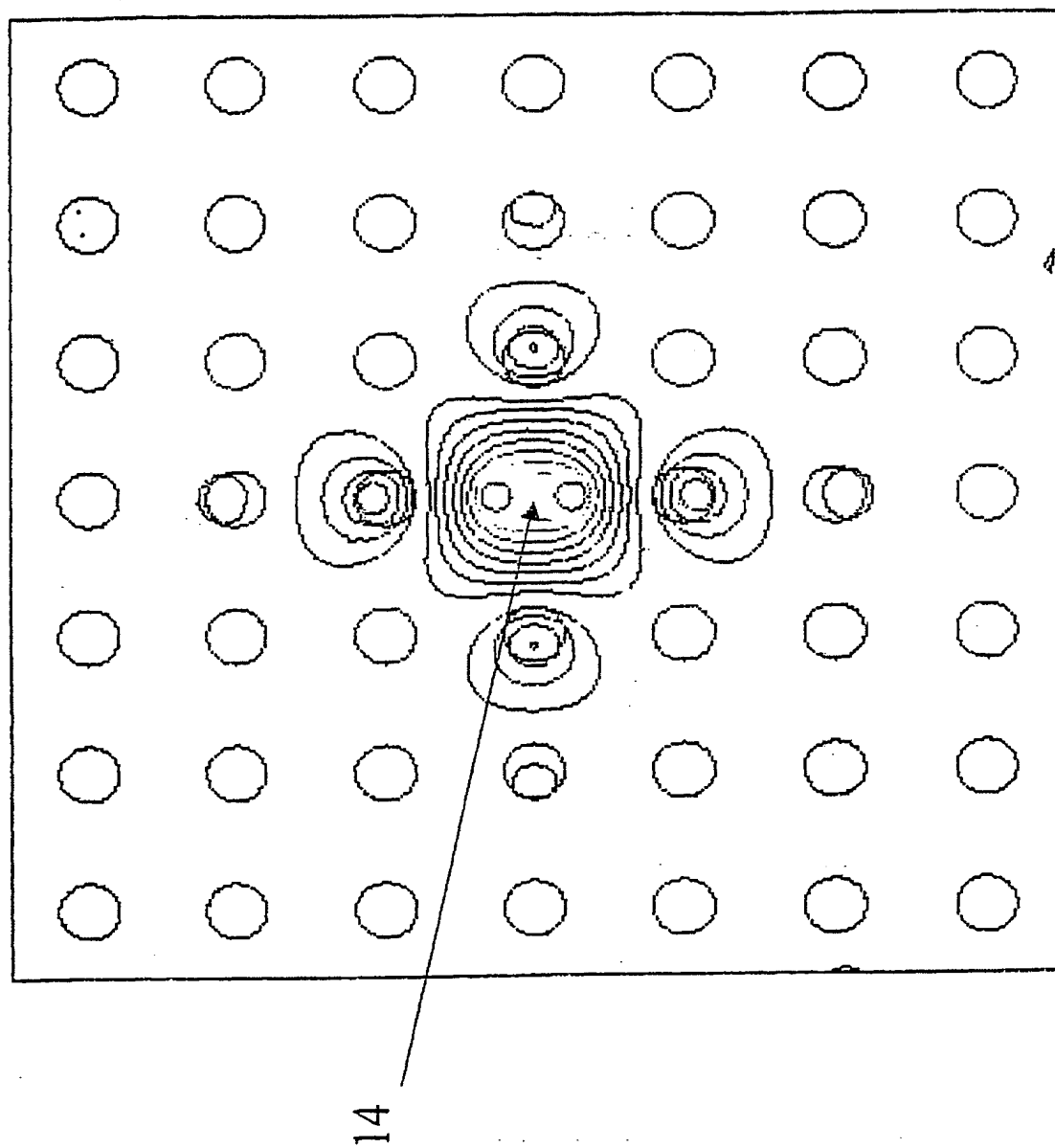


Fig. 3

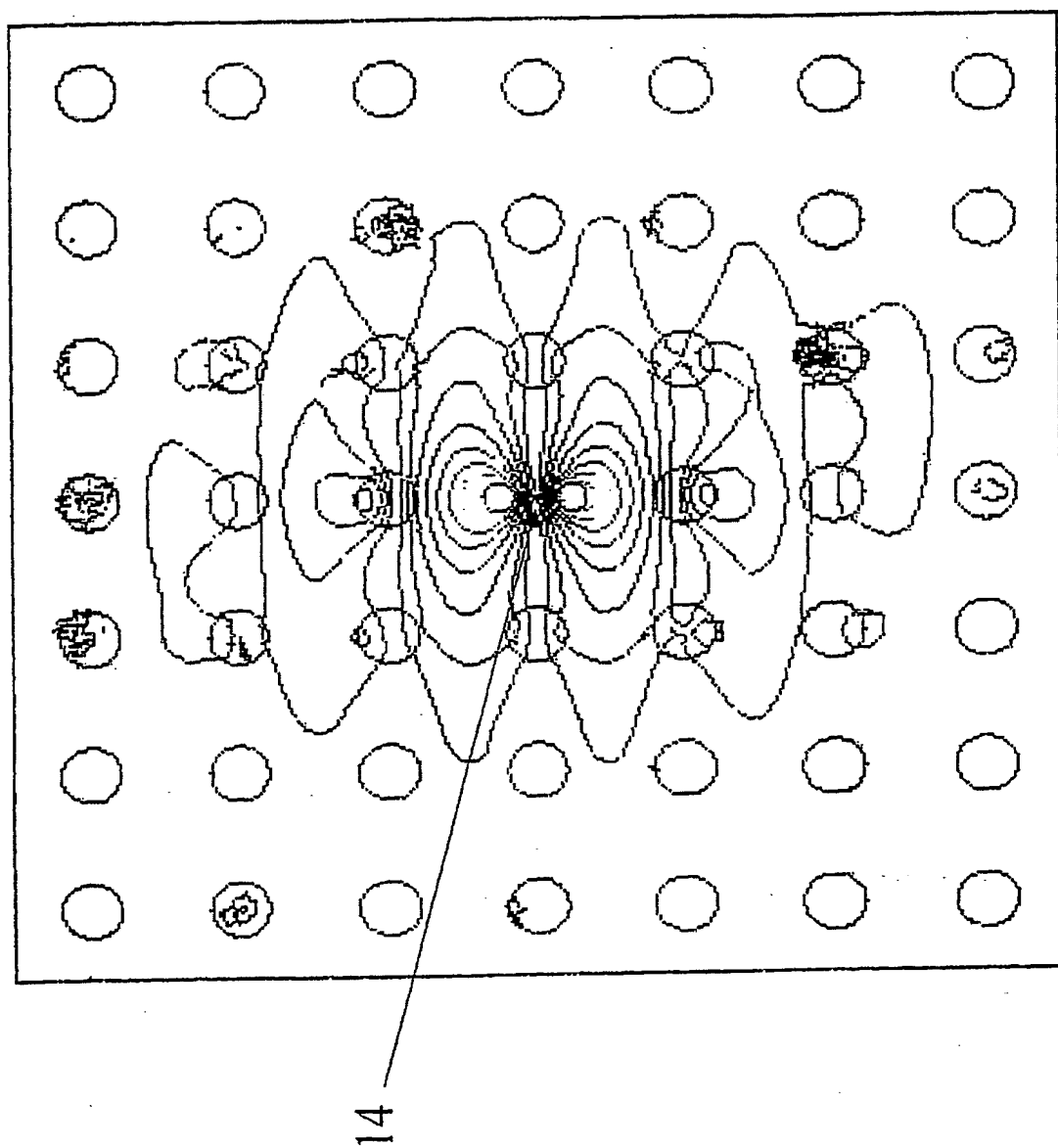


Fig. 4

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Microcavity - Normalized Resonance Frequency  
 $N=2$ ,  $r/a=0.1$ ,  $\alpha=0$

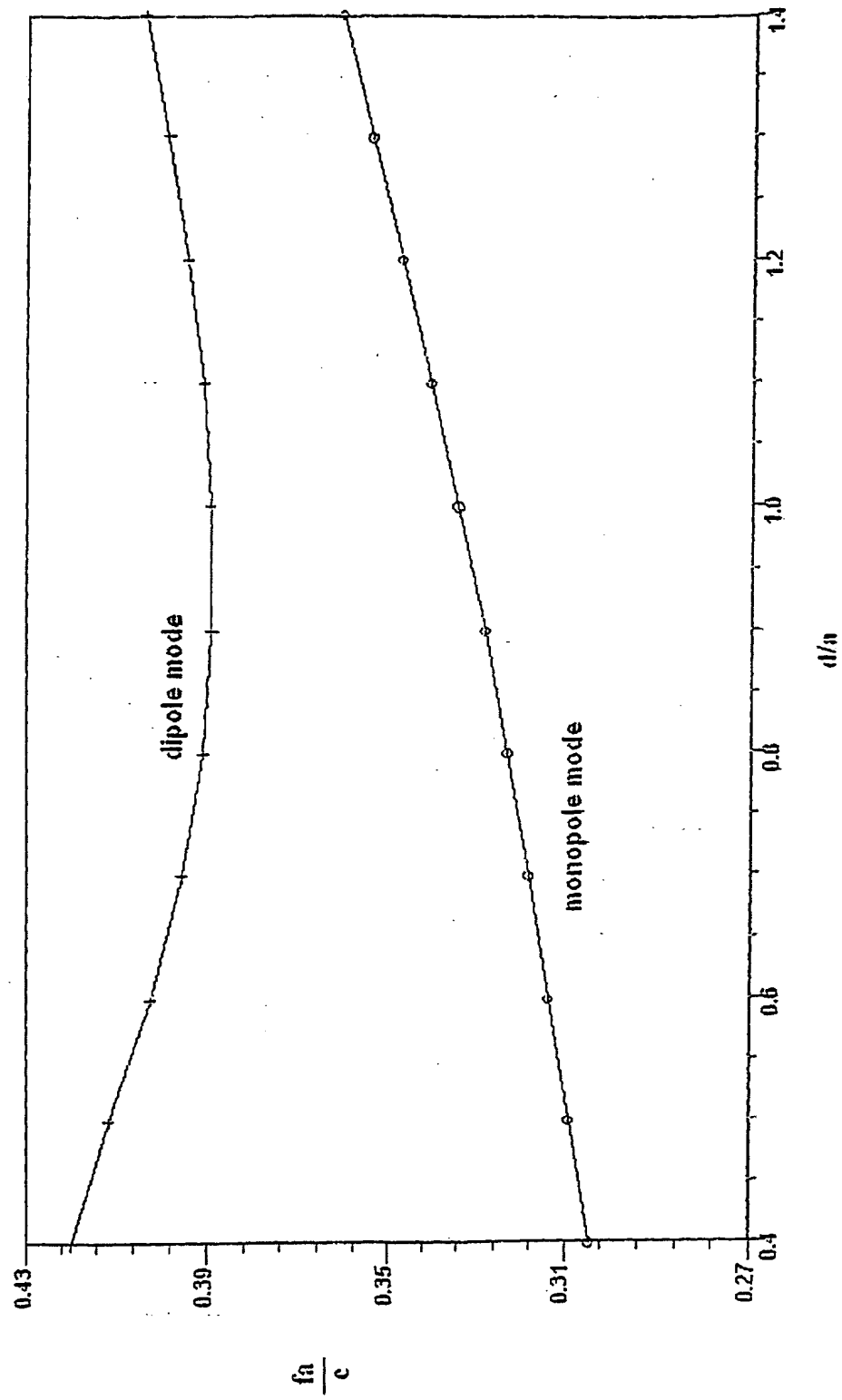


Fig. 5

Micro-cavity Resonance Frequency  
N=2, d/a=0.8,  $\alpha=0$

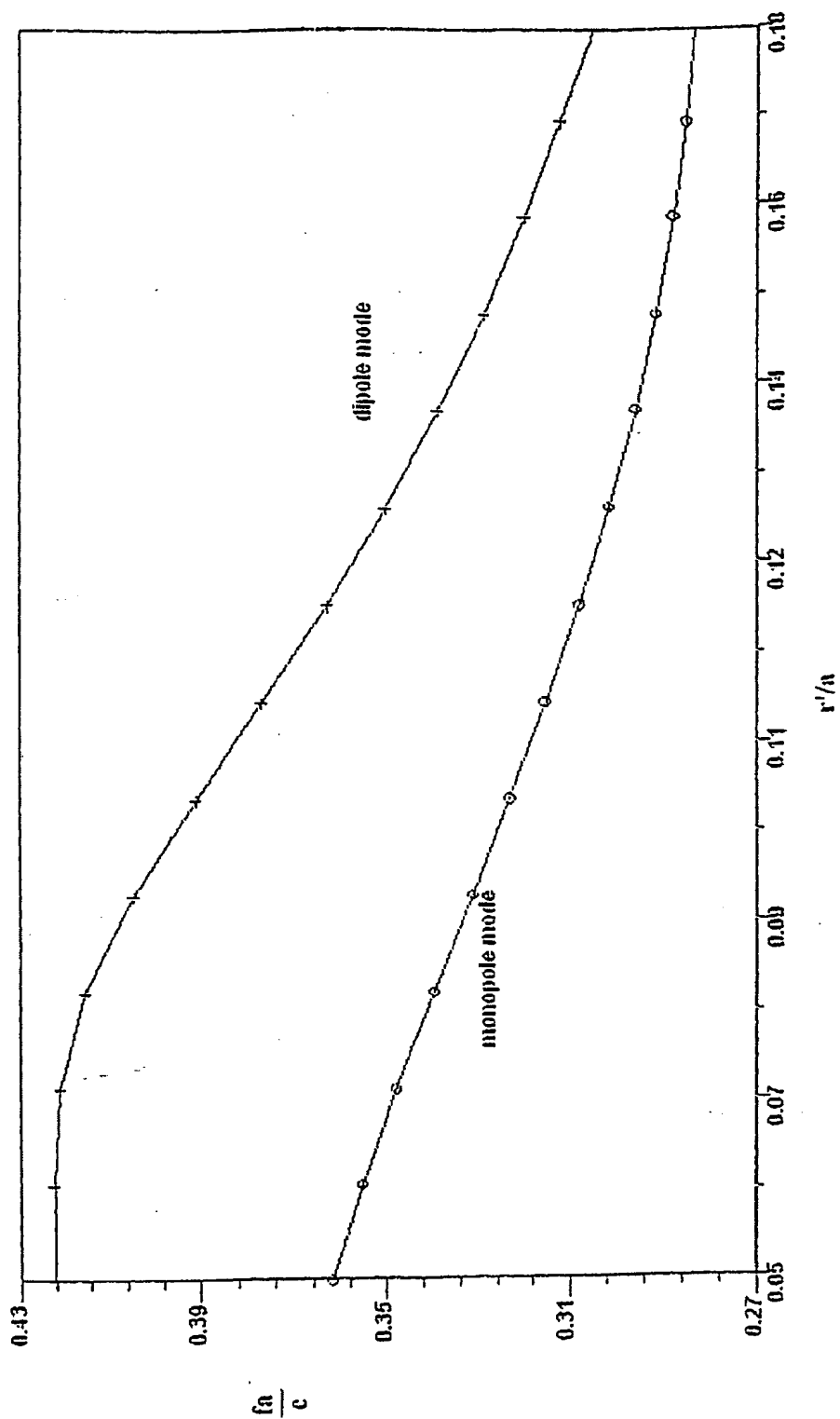


Fig. 6

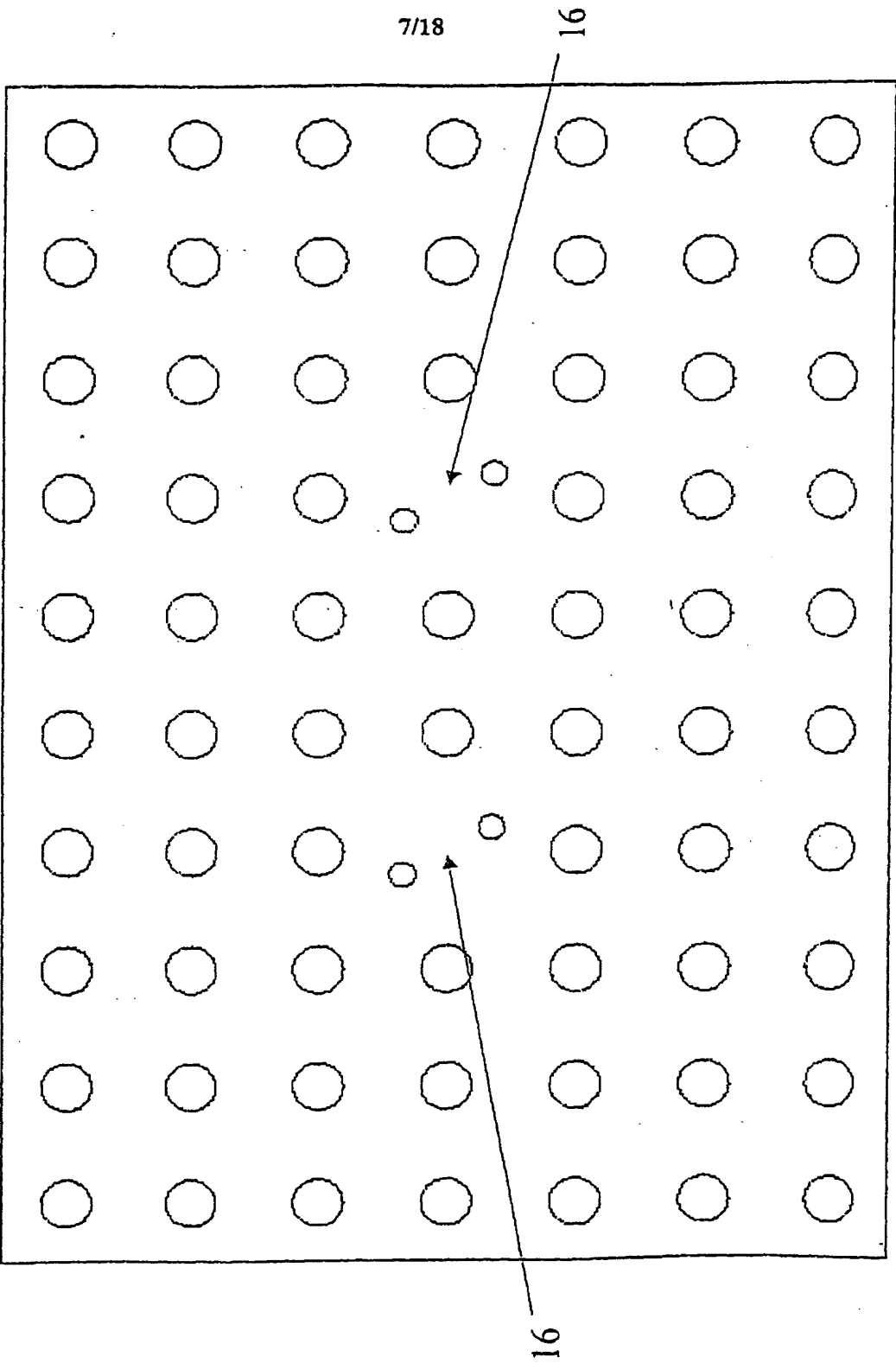


Fig. 7

Micro-cavity Coupling  
Resonance Frequency Split of Two Identical Micro-cavities

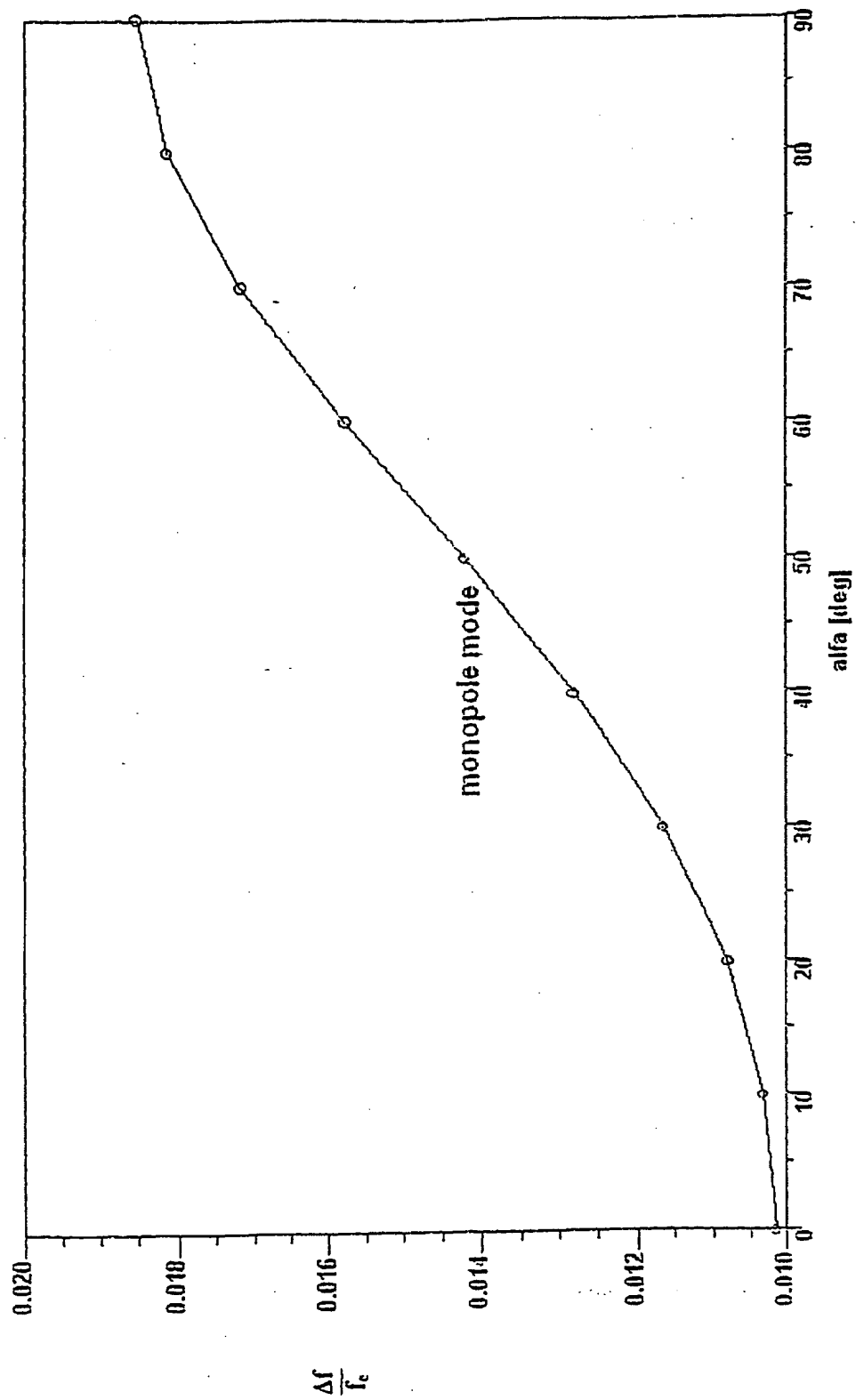


Fig. 8



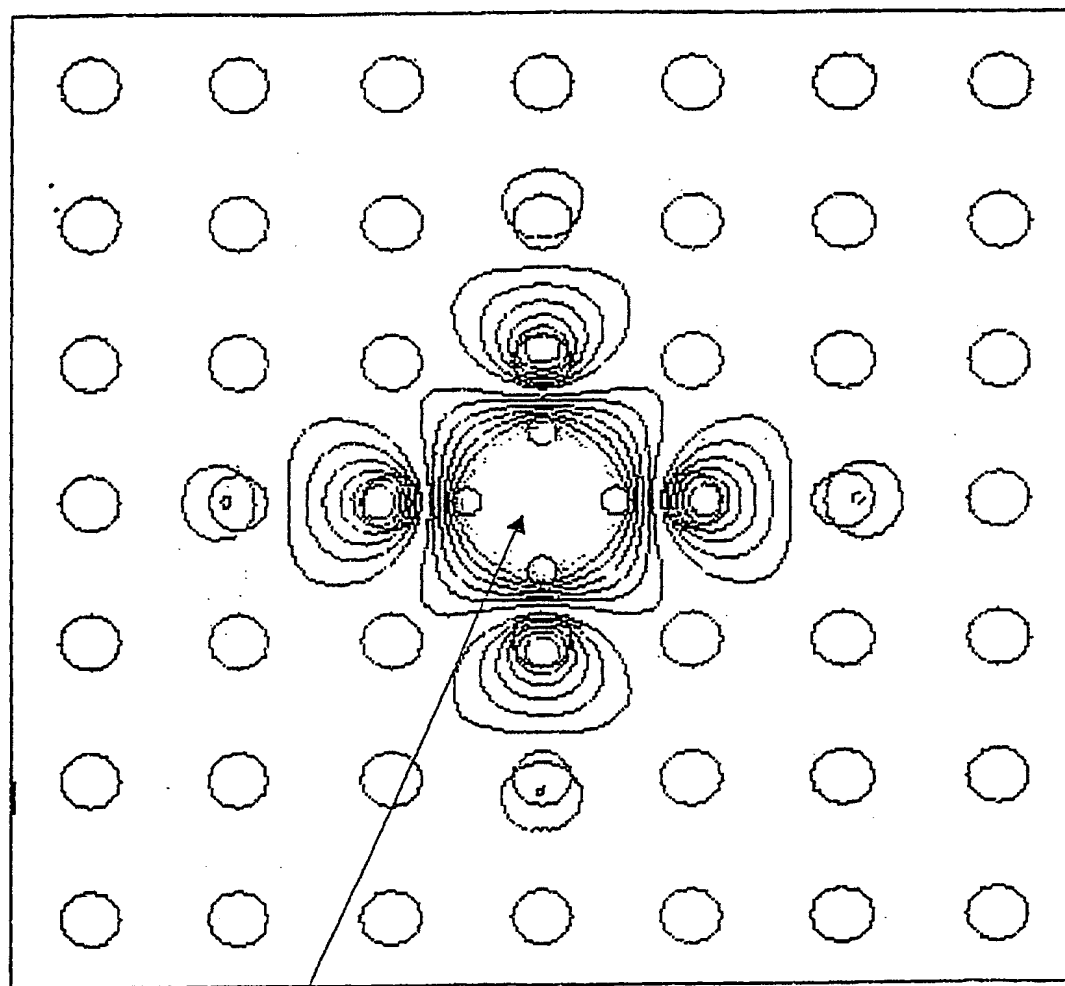


Fig. 9a

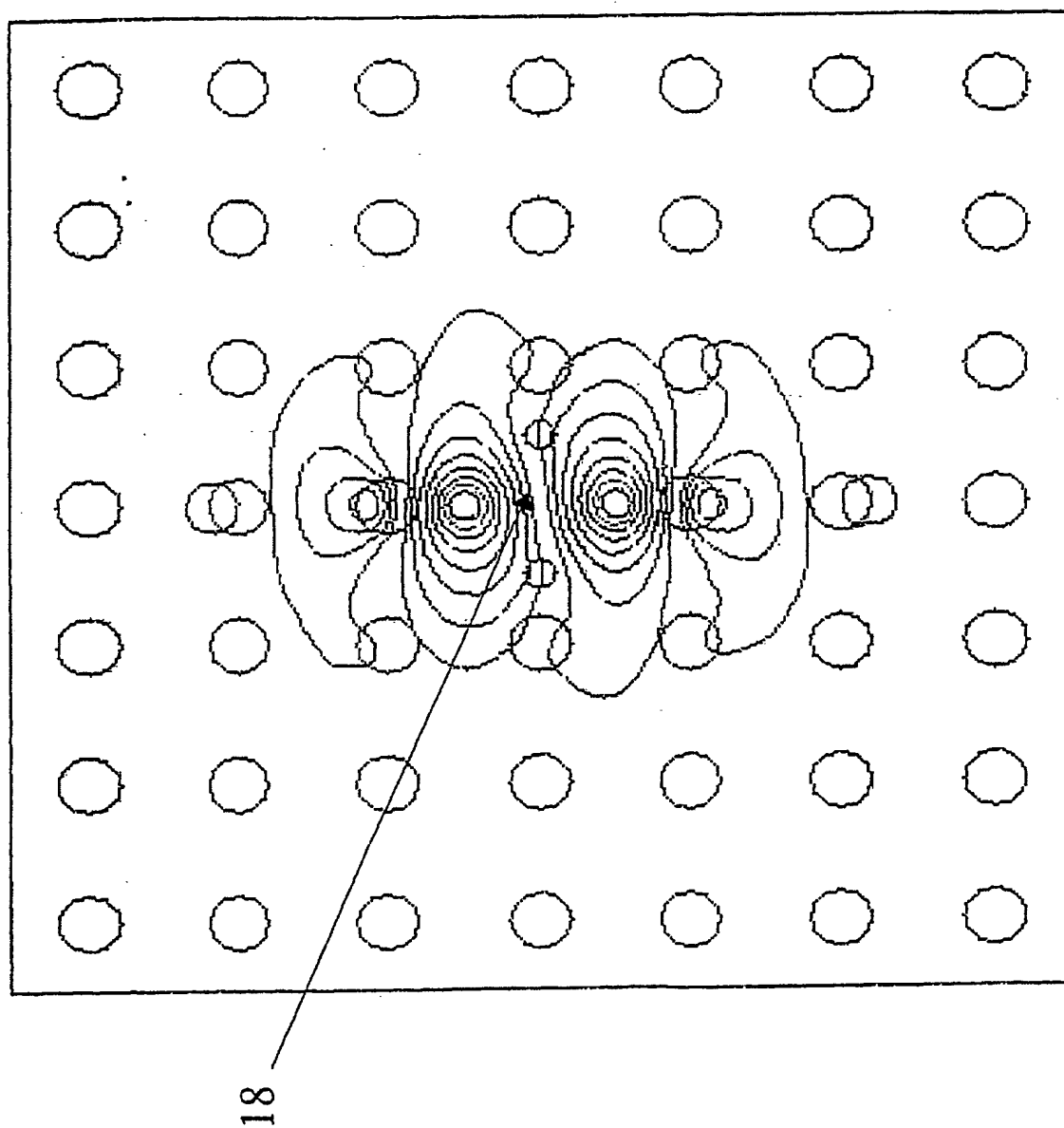
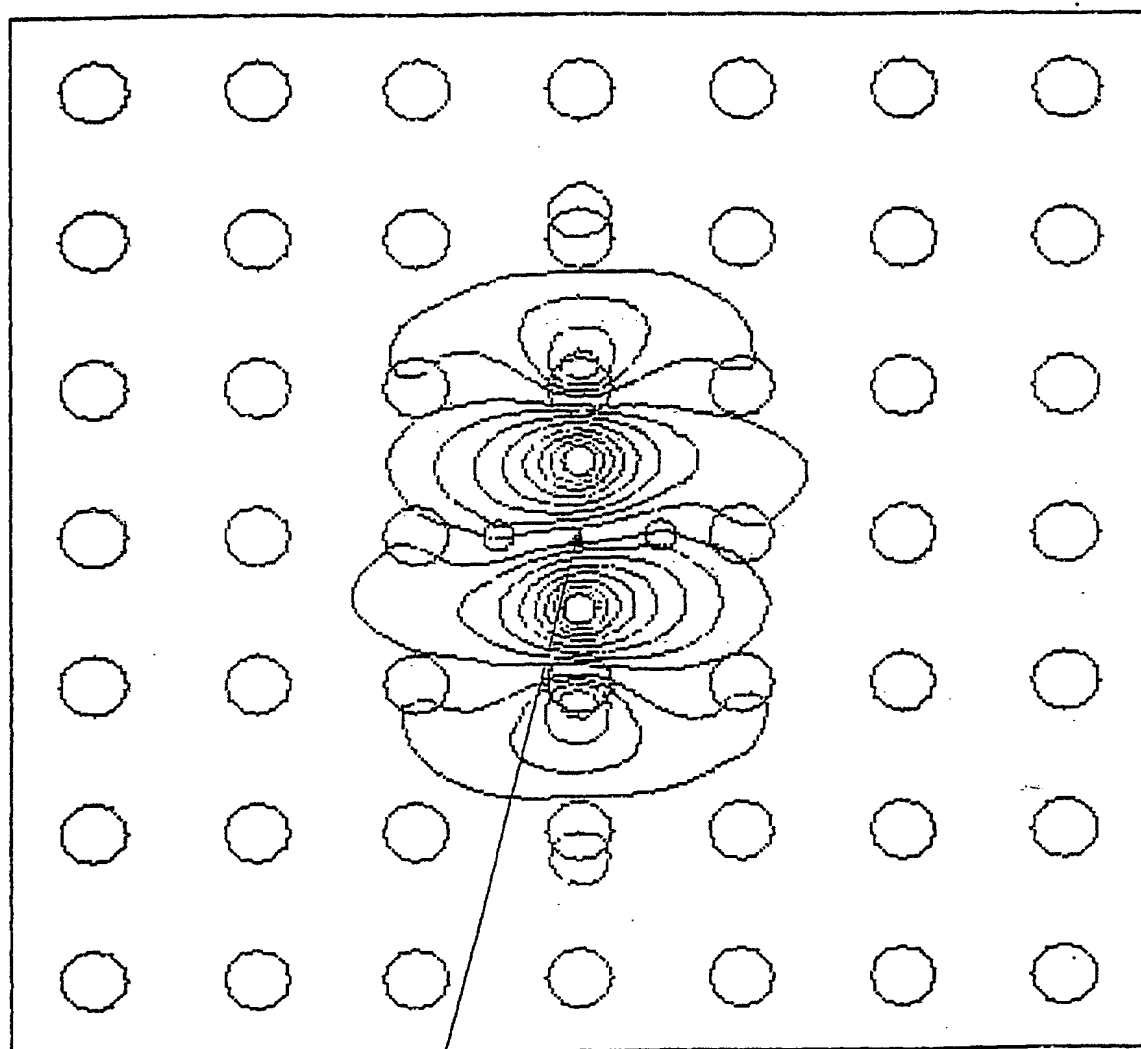


Fig. 9b



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Fig. 9c

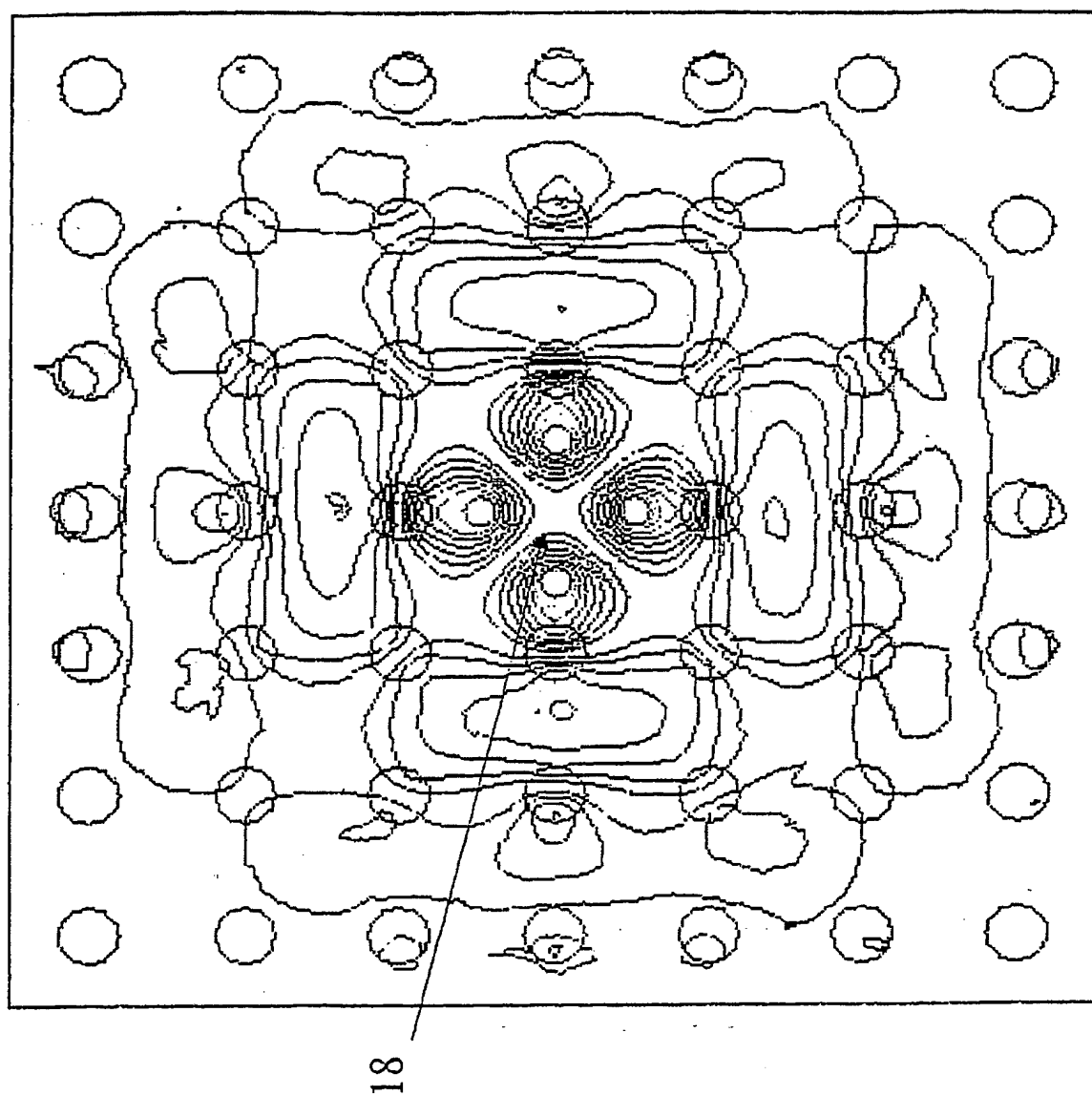


Fig. 9d

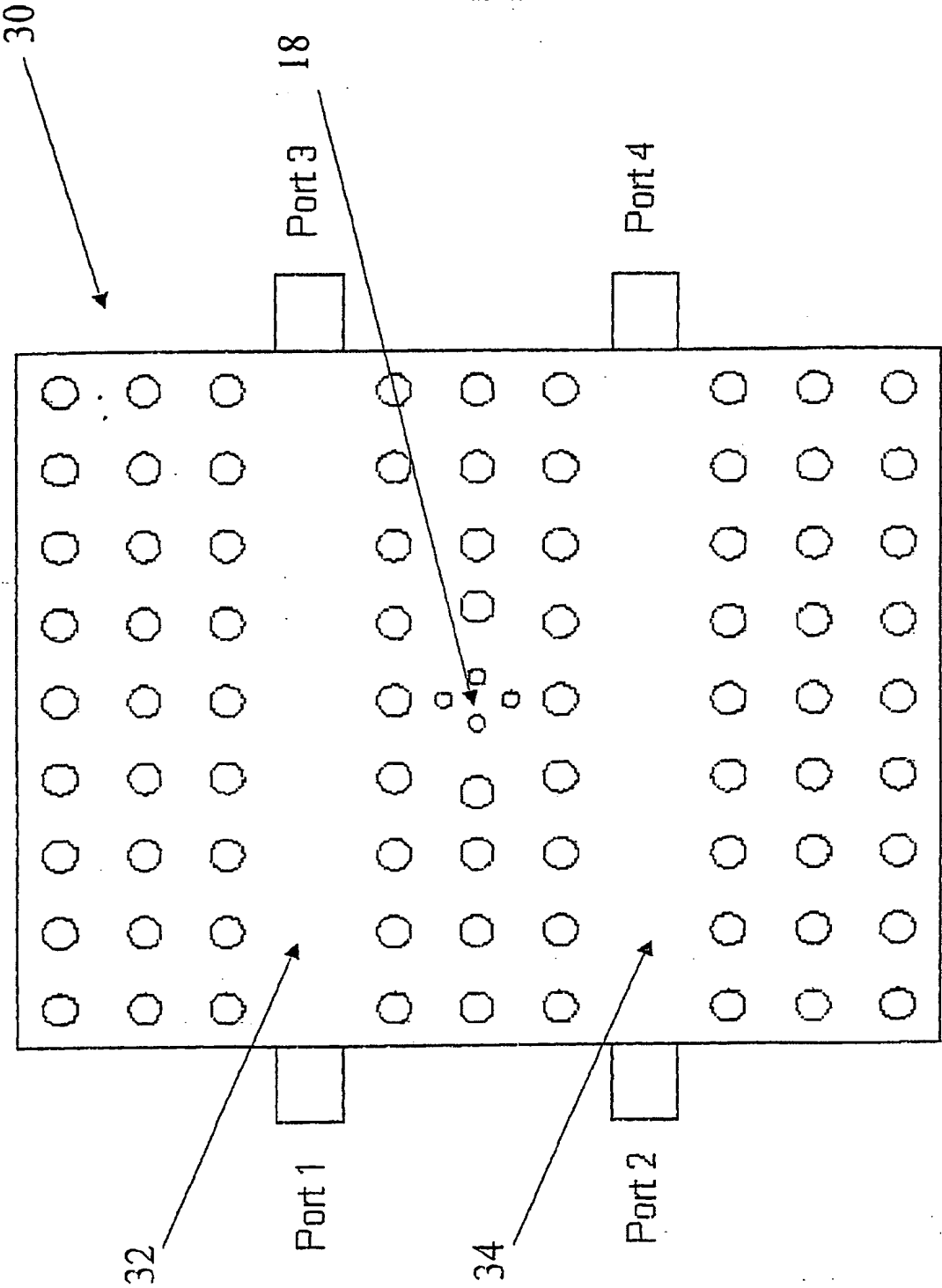
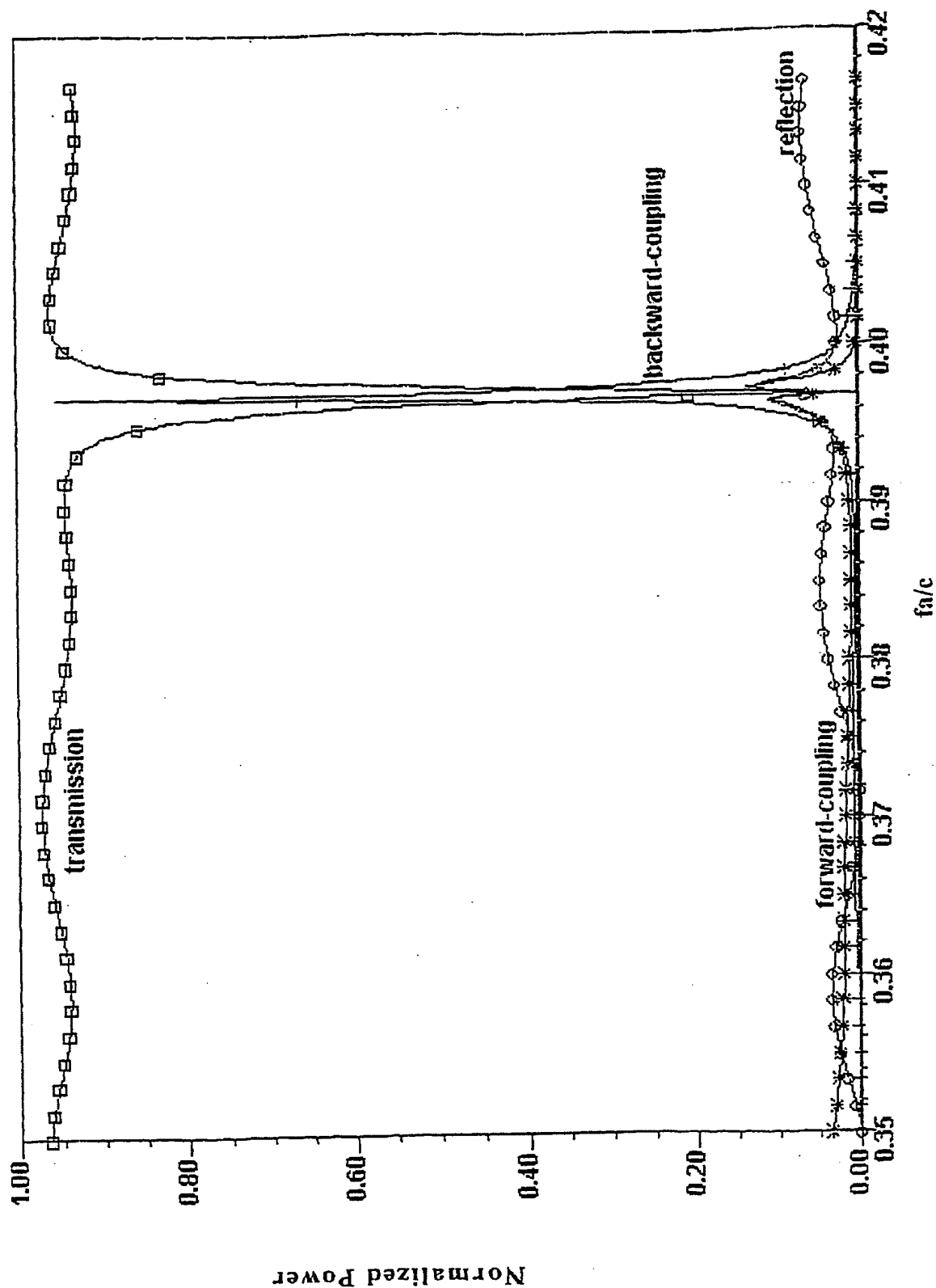


Fig. 10

Fig. 11



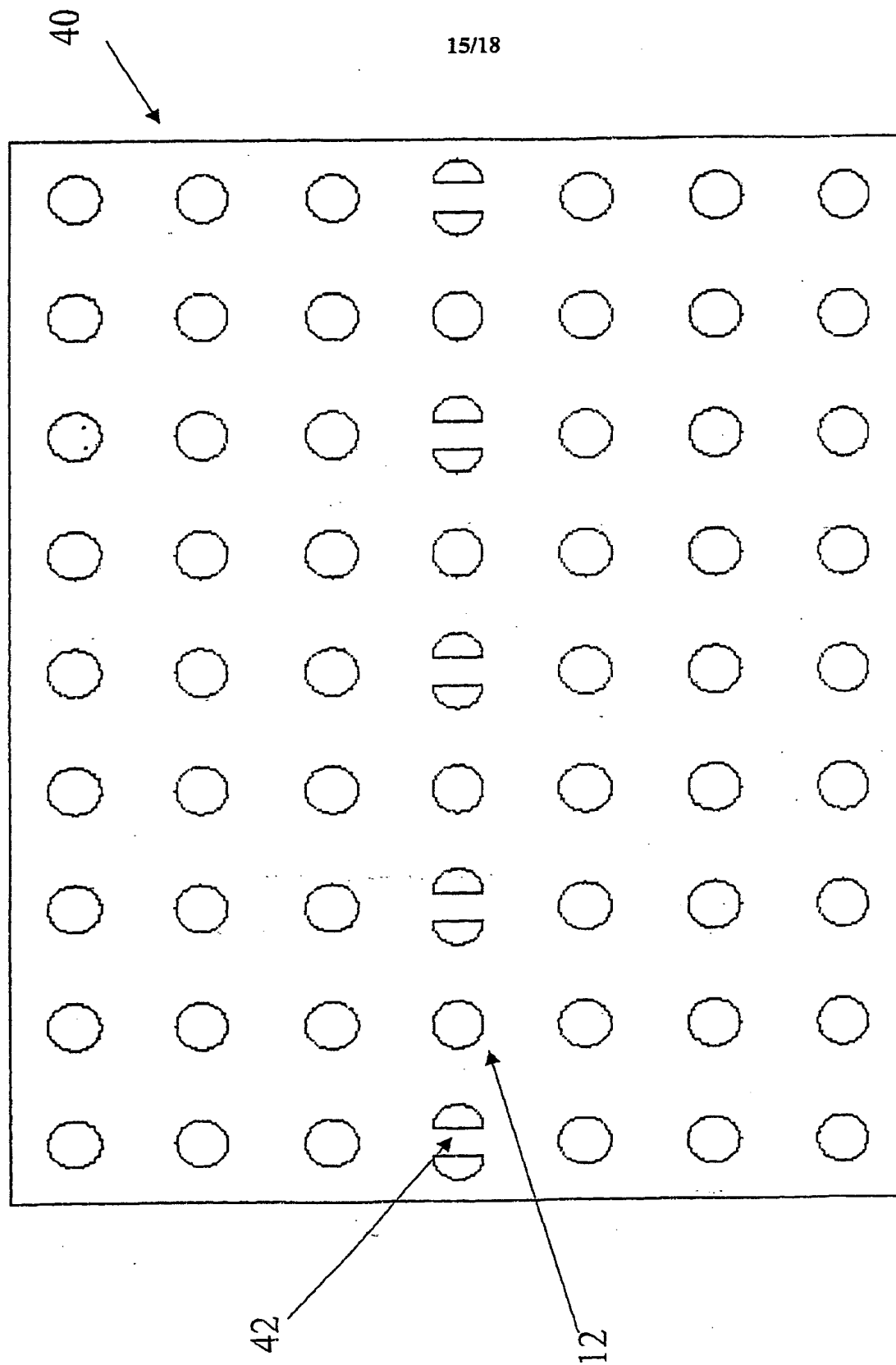


Fig. 12

## CCW Dispersion Curve - Dipole Mode

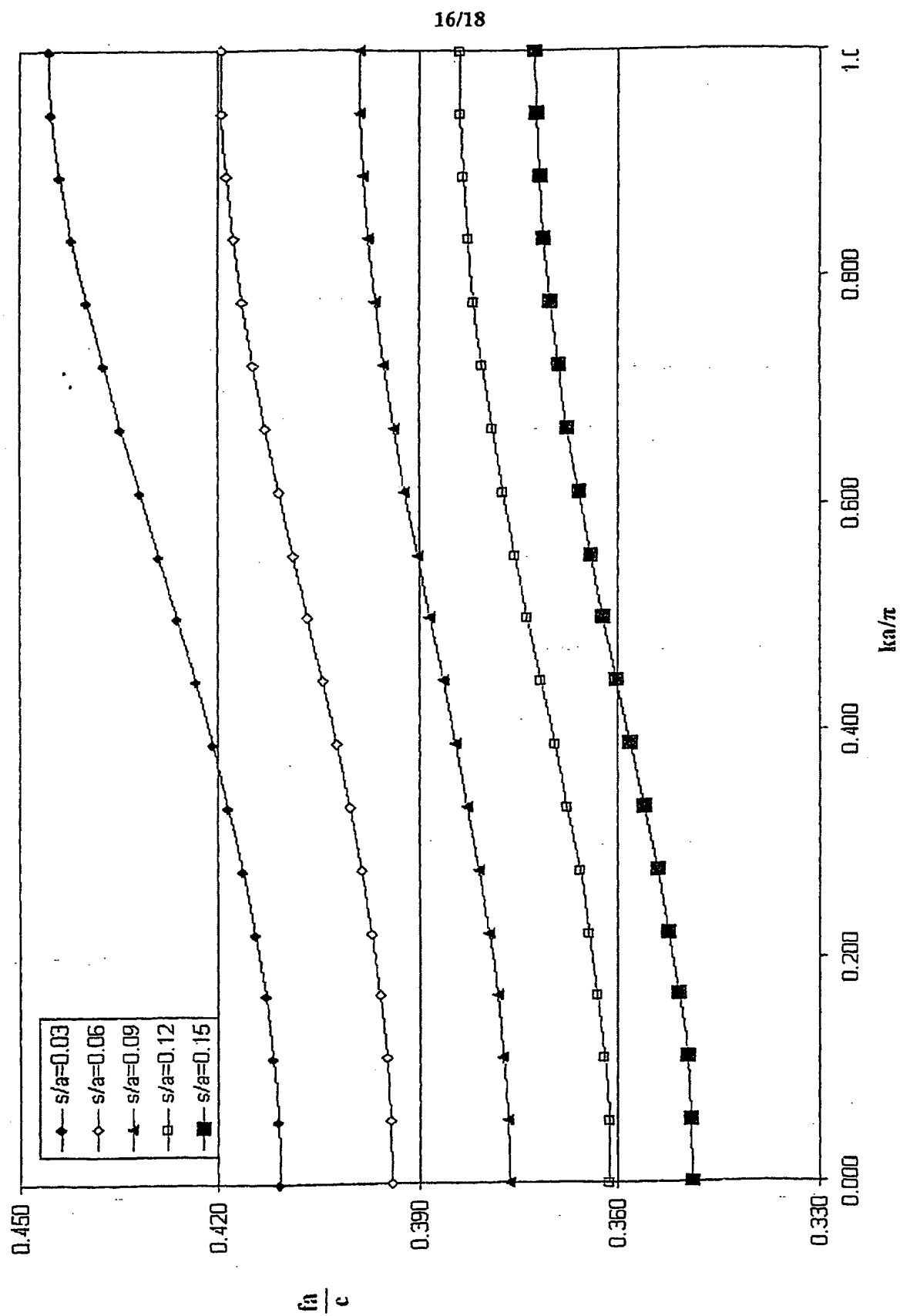
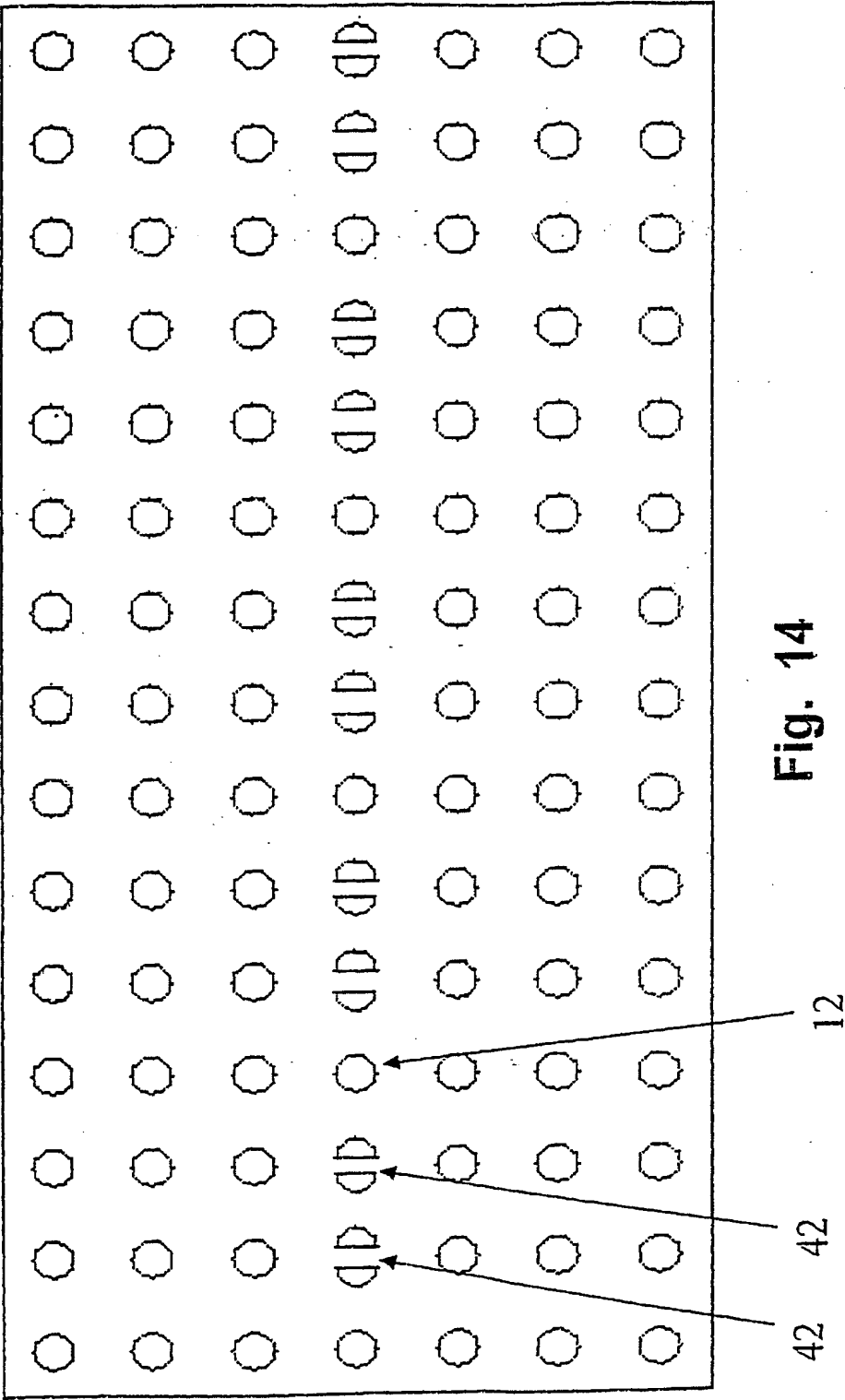


Fig. 13





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Coupled Cavity Waveguide - double micro-resonator

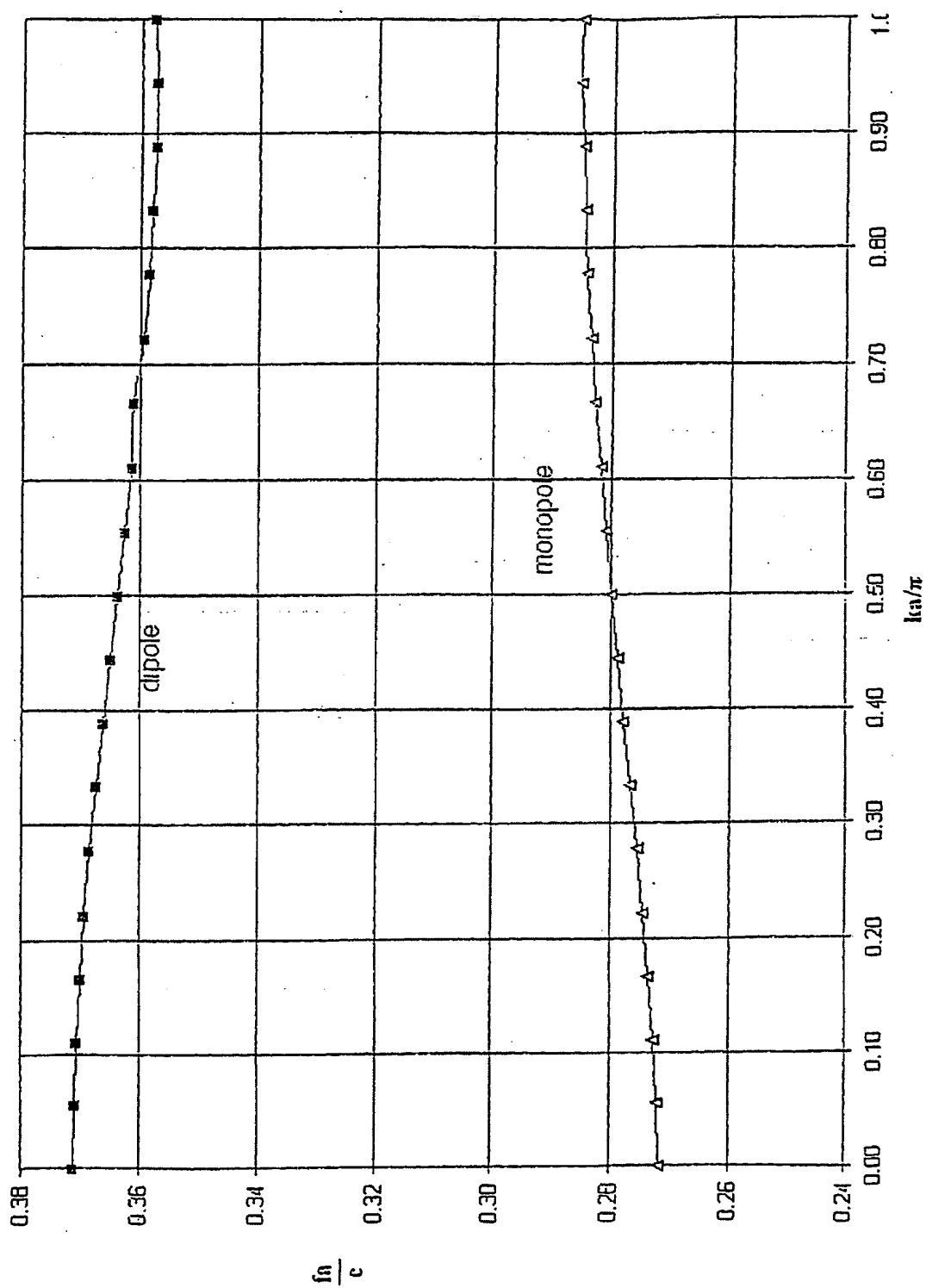


Fig 15